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DOCKET NO.: AM100638/WYNC-1027

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In Re Application of:**

**Elokdah, et al.**

**Confirmation No.: 4928**

**Application No.: 10/731,290**

**Group Art Unit: 1614**

**Filing Date: December 9, 2003**

**Examiner: Not yet assigned**

**For: Substituted Dihydropyrano Indole-3,4-Dione Derivatives As Inhibitors Of Plasminogen Activator Inhibitor-1 (PAI-1)**

DATE OF DEPOSIT: *September 2, 2005*

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

*Heather Kite*

TYPED NAME: Heather Kite

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- ☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.116 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

- ☒ Copies of reference numbers 14-54 listed on the attached Form PTO-1449 are enclosed herewith.

- ☒ Copies of reference numbers 1-13 listed on the attached Form PTO 1449 are not required to be submitted pursuant to the waiver of 37 CFR § 1.98(a)(2)(i).

☐ Copies of references - are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number , filed for which a claim for priority under 35 U.S.C. § 120 has been made in the instant application.

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**PATENT**

☒ The relevance of those listed references which are not in the English language is as follows:

English language abstracts have been provided for those listed references which are not in the English language.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

Date: *Sept 2, 2005*

  
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**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
AM100638/WYNC-1027

Application No.  
10/731,290

Applicant  
Elokdah, et al.

Filing Date  
December 9, 2003

Group  
1614

Confirmation No.  
4928

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	1	3,843,683	10/22/74	Bell	548	493
	2	4,736,043	04/05/88	Michel et al.	548	492
	3	5,612,360	03/18/97	Boyd et al.	514	381
	4	6,048,875	04/11/00	De Nanteuil et al.	514	314
	5	6,110,963	08/29/00	Malamas	514	443
	6	6,251,936	06/26/01	Wrobel et al.	514	443
	7	6,302,837 B1	10/16/01	De Nanteuil et al.	514	337
	8	6,787,556	09/07/04	Hargreaves et al.	514	311
	9	6,800,654	10/05/04	Mayer et al.	514	381
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	12	2003/0060497 A1	03/27/03	Gerlach	514	414
	13	2004/0204417 A1	10/14/04	Perez et al.	514	249

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<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. AM100638/WYNC-1027	Application No. 10/731,290
	Applicant Elokdah, et al.	
	Filing Date December 9, 2003	Group 1614
		Confirmation No. 4928

### FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	14	19543639 A1	05/28/97	Germany	X abstract	
	15	43 38 770 A1	05/18/95	Germany (WO 95/13266)	X abstract	
	16	19753522	06/10/99	Germany	X abstract	
	17	1 321 433	06/27/73	GB		
	18	0 416 609 A2	03/13/91	EP		
	19	0 508 723 A1	10/14/92	EP		
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	21	0 540 956 A1	05/12/93	EP		
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	23	0 955 299 A1	11/10/99	EP (US 6048875)	X abstract	
	24	1 092 716	04/18/01	EP (US 6302837)	X abstract	
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	28	00/35919 A1	06/22/00	WO		
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	30	01/12187 A2	02/22/01	WO		
	31	02/030895 A1	04/18/02	WO		
	32	02/072549 A1	09/19/02	WO		

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Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	33	03/031409 A1	04/17/03	WO		
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	36	94/14434 A1	07/07/94	WO		
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	50	Crandall, D. L. et al., "Characterization and comparative evaluation of a structurally unique PAI-1 inhibitor exhibiting oral in-vivo efficacy," <i>Journal of Thrombosis and Haemostasis</i> , <b>March 17, 2004</b> , 2: 1422-1428	
	51	Guzzo, P.R. et al., "Synthesis of a conformationally constrained threonin-valine dipeptide mimetic: design of a potential inhibitor of plasminogen activator inhibitor-1," <i>Tetrahedron Letters</i> , <i>Tetrahedron Letters</i> , 43(1), 41-43 (2002)	
	52	Charlton, Peter, "The status of plasminogen activator inhibitor-1 as a therapeutic target," <i>Expert Opinion On Investigational Drugs</i> , ( <b>May 1997</b> ), vol. 6, no. 5, pages 539-554	
	53	Malamas, M.S. et al. "Characterization and comparative evaluation of a structurally unique PAI-1 inhibitor exhibiting oral in-vivo efficacy," <i>Journal of Medicinal Chemistry</i> , 43(7):1293-1310	
	54	Da Settimo, A. et al., "Reaction of indole derivatives with bromine, substitution, oxidation, and dimerization," <i>J Org Chem</i> , 1970, 35(8):2546-2551	

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